



Energy Efficiency Opportunities

**Governor's Green Government Coordinating Council
K-12 Green Schools Symposium
April 10, 2010**

Pat Quinn, Governor

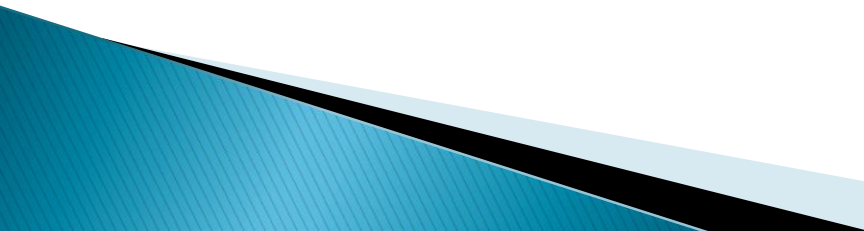
Warren Ribley, Director

Energy Efficiency Portfolio Standard (EEPS)

What is EEPS

In 2007, legislation that amended the Illinois Public Utilities Act required that the State's largest utility providers and the Department of Commerce & Economic Opportunity (DCEO) develop a portfolio of electric energy efficiency programs to meet defined legislative goals that reduces energy demand.

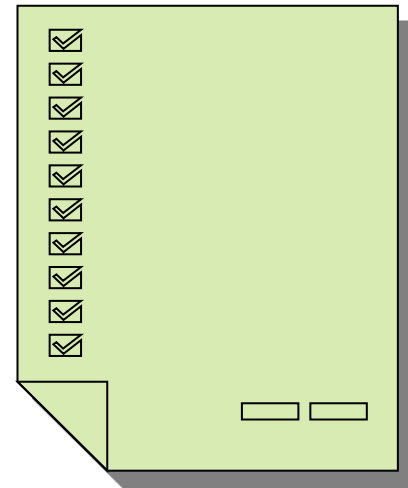
Rebates apply only to customers of the Commonwealth Edison (ComEd) & Ameren Illinois electric service territories



Energy Efficiency Portfolio Standard (EEPS)

What do I get from EEPS

EEPS provides for incentives in the form of rebates for ComEd and/or Ameren Illinois utility customers to encourage them to purchase and install high efficiency equipment and systems to reduce electricity use



Energy Efficiency Portfolio

DCEO Public Sector

- **Local governments**
 - Municipalities
 - Townships & County facilities
- **Special units of local government**
 - Library & Park districts
 - Public safety
 - Water reclamation districts
- **State and federal agencies**
- **Public Schools**
 - K-12 Public Schools
 - Public community colleges
 - Public universities

ComEd/Ameren Illinois

- **Privately owned businesses**
- **Privately owned industrial & commercial facilities**
- **Private Schools**
 - Private K-12 schools
 - Private colleges
 - Private universities
- **Not-for-profit**
 - Museums
 - Foundations
 - Trade Organizations
- **Residential**

Projected Energy Efficiency Funding

Year	Funding Level	DCEO Share
2008	\$53.2 million	\$12.9 million
2009	\$111 million	\$26.8 million
2010	\$172 million	\$41.6 million
2011 +	\$235 million	\$57 million

Funds come from ComEd & Ameren
Illinois Electric utility customer's rider
on electric bill effective June 1, 2008

DCEO Standard Incentive Programs

Provides grants and rebates to public sector entities for a specific list of equipment upgrades. Includes electric system efficiency improvements for:

- Lighting Equipment

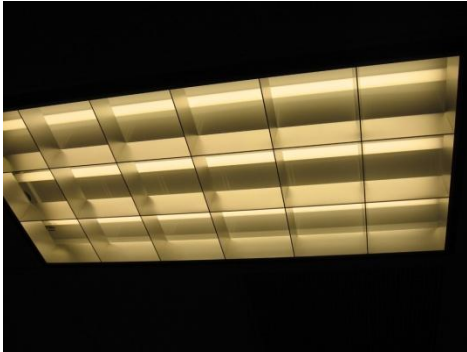
- HVAC Equipment

- Refrigeration Equipment

- Motors and Drives

- LED traffic signals (DCEO only)

DCEO Standard Lighting Incentive Examples



***LED Exit
Sign***



High Performance T8

- ▶ Approx 40% savings
- ▶ Standard incentive = \$7 per lamp and ballast incentive

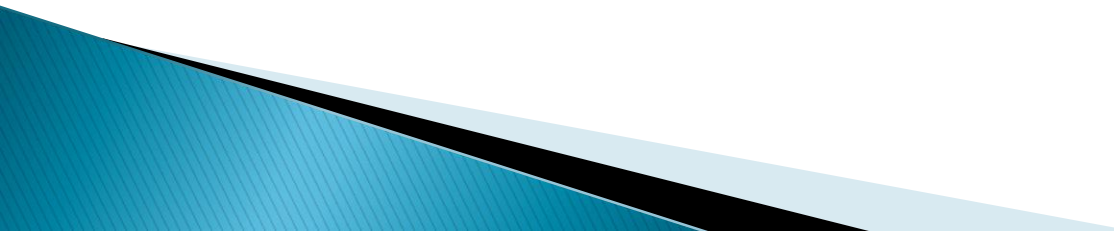
- ▶ 70% to 90% savings
- ▶ Standard Incentive = \$22/Sign
- ▶ Maintenance Savings

High Bay Lighting Retrofits

25% to 30% energy savings
Standard Incentive = \$0.44/Watt saved



Public Sector Energy Efficiency Portfolio

- ▶ Ottawa Elementary School
 - ▶ The Ottawa Elementary School purchased numerous energy efficiency products to replace existing lighting systems in their school building.
-
- | | |
|--------------------------------|-----------|
| ▶ The total Project Cost was | \$5331.64 |
| ▶ Total Incentives Amounted to | \$2332.40 |
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Energy Efficiency Portfolio

► Ottawa Elementary School

Product	Amount	Incentive	Total
Hardwired CFL's	4 Fixtures	\$50.00 Each	\$200.00
Reduced Wattage 4 foot T8's	44 Lamps	\$7.00 Each	\$308.00
Reduced Wattage 8 foot T8's	82 Lamps	\$10.00 Each	\$820.00
LED Exit Signs	3 Signs	22.00 Each	\$66.00
T8/T5 Highbay Flourescent Fixtures	34 Fixtures	.40 per watt reduction (69 Watts reduced per lamp)	\$938.40

Public Sector Energy Efficiency Programs

Custom Incentives

Projects that involve non-standard incentives and other unique projects

- Electric efficiency improvements not captured by the standard program
- 8 cents/kWh for measures with 1-7 year payback on first year kwh savings
- Pre-approval, evaluation, and additional documentation required
- Projects must meet cost-effectiveness requirements



DCEO New Construction Incentive Program

- ▶ Provides grants to public sector entities to encourage applicants to design new or rehabbed buildings to achieve the highest level of energy efficiency.
- ▶ Incentive for new construction or remodeling facilities $\geq 15,000$ sq. ft. that exceed the Illinois Energy Conservation Code for Commercial Buildings (or other applicable code)
- ▶ Option of \$0.05/kwh for constructing single components beyond code

Measure	Incentive
10% Beyond Code (kWh)	\$0.20 per sq. ft.
15% Beyond Code (kWh)	\$0.40 per sq. ft.
20% Beyond Code (kWh)	\$0.60 per sq. ft.
25% Beyond Code (kWh)	\$0.80 per sq. ft.
30% Beyond Code (kWh)	\$1.00 per sq. ft.

Have a Green \$pring! – 2010 Special Limited Time Offer

Significant short-term increase in electric efficiency rebates for public projects located in ComEd and Ameren Illinois Utilities electric service territories

Applicants are encouraged to apply for these special DCEO energy efficiency incentives by this Earth Day, April 22. Projects must be completed by May 31, 2010.

Incentive Bonus – Illinois public universities, and state and federal facilities are eligible for a 15% Incentive Bonus on top of the normal DCEO rebates for energy efficiency projects.

Special Incentive Rate – Illinois public schools, community colleges and units of local government are eligible for a Special Incentive Rate that is double the current rebate levels.

Qualifying projects could receive up to 90% of project costs.

To apply for the **Have a GREEN \$PRING!** rebates:

Fill out the normal Public Sector Electric Efficiency Program application forms from www.illinoisenergy.org and submit them to illinois.energy@illinois.gov .

DCEO staff will determine eligibility and the amount of the bonus rebate.

Read the [Addendum to Public Sector Electric Efficiency Guidelines](#) for details on this special

Technical Assistance/Training & Education – Statewide Eligibility

Energy Audits, Design Assistance

- ▶ Smart Energy Design Assistance Center (SEDAC)
- ▶ Large-Customer Energy Analysis (LEAP)
- ▶ Energy Performance Contracting (EPC)

Training & Education

- ▶ Business Industry Training & Education
- ▶ Code Training
- ▶ Building Operator Training
- ▶ Lights for Learning
- ▶ Green-Jobs Grants

Smart Energy Design Assistance Center (SEDAC)

- ▶ Partnership with the University of Illinois, SEDAC Design Assistance Experts and Energy Service Providers
- ▶ Assist public sector and private building owners identify opportunities to save energy and money
- ▶ Provides energy audits, analysis and design assistance including:
 - Design review and/or site inspection
 - Computer modeling of base case and alternatives with ECMs
 - Energy savings analysis
 - Life cycle cost analysis
 - Final report with recommendations
- ▶ Energy service provider list



www.sedac.org

Large-customer Energy Analysis Program (LEAP)

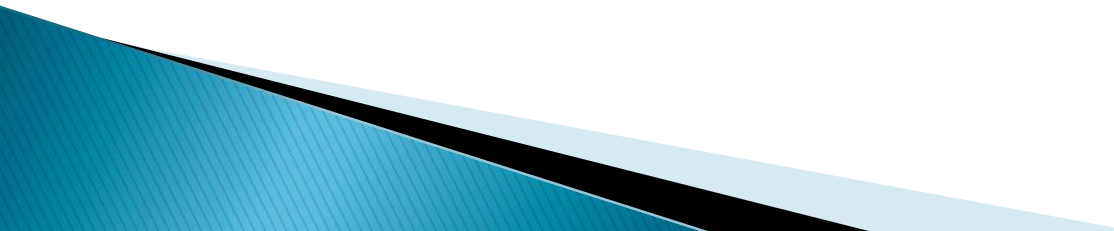
- ▶ Targets large customers such as municipalities, colleges, hospitals and industrial sites with \$500,000 in annual utility expenses
- ▶ A Management Diagnostic to develop an energy management strategy for customer
 - Identifies strengths and weaknesses in current practices
 - Provides an action plan with priority items
 - Benchmarks energy management performance in 22 specific areas
- ▶ Financial assistance (50% of cost) to prepare action plans
- ▶ Financial assistance (50% of cost) to conduct technical studies

DCEO's Energy Performance Contracting (EPC)

- ▶ Energy performance contracting redirects energy, water and operations & maintenance savings to amortize building improvements without up-front costs. Performance and savings are guaranteed over term of contract
- ▶ DCEO provides no cost technical assistance and advice that includes:
 - Boilerplate documents:
 - Request for Proposal
 - Energy Audit Agreement
 - Energy Service Agreement
- ▶ Measurement and Verification Assistance

DCEO Training and Education Programs

Lights for Learning

- A unique educational opportunity for Illinois students to earn money for their school or organization by selling money saving, energy efficient Compact Fluorescent Light bulbs (CFLs).
 - Participating schools keep 50% of the proceeds
 - Presentations are provided to educate students and their community about the environmental and financial benefits of using CFLs
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Renewable Energy Program

- Solar Rebate Program
- Wind Rebate Program
- Rebate amount \$50,000 or less
- 30% of Project Costs for Residential/Businesses
- 50% of Project Costs for Not-Profit/public Sector



July 1, 2010

www.illinoisenergy.org



Illinois Recycling Grants Program

- ▶ **Traditional Recycling Grants** - Through a competitive process, awards matching grants involving the establishment or expansion of recycling collection or processing programs that address traditional recyclables (e.g.:, fiber, plastic, metal, glass).
Project examples: curbside recycling, drop-off recycling, colleges, park districts, office buildings, sports facilities, etc.
- ▶ **Electronics Recycling Grants** - Permanent Collection/Processing of computers and other electronics (vs. one-day collection events)
- ▶ **(REM) Program** - grants that help communities and business improve their waste reduction practices and increases use of recyclables to divert materials from landfills
- ▶ **Zero Waste Schools** - Grants to K-12 Schools to implement or expand recycling and waste reduction programs – i.e. composting, collection containers, paper shredders, can crushers, hand dryers, compost equipment and tools

July 1, 2010

www.illinoisenergy.org

Additional Information

- ▶ For additional information or to schedule a presentation for your local agencies, please contact

Carol Kulek

Marketing & Outreach

Energy Efficiency Portfolio Programs

217-785-3412

carol.kulek@illinois.gov



DCEO Program Contacts

Energy Efficiency

- ▶ Standard Incentive Program
 - Andrea Reiff 217-785-0164
 - Don Falls 217-785-1997
- ▶ Custom, New Construction Incentive Programs
 - Tom Coe 217-785-2433
- ▶ Low Income
 - Maureen Davlin 217-785-2373
- ▶ Energy Programs & Policy
 - David Baker 217-785-5222
- ▶ Outreach & Marketing
 - Carol Kulek 217-785-3412

Recycling, Education & Renewable

- ▶ Recycling Programs
 - David Ross 217-782-7887
- ▶ Renewable Fuels
 - Norm Marek 217-785-5082
- ▶ Renewable Energy Programs
 - Wayne Hartel 217-785-3420
- ▶ Business Education Programs
 - Bruce Selway 217-785-2023
- ▶ REM Programs
 - David Ross 217-782-7887
- ▶ Zero Waste Schools
 - Brett Ivers 217-524-5859

Key Web Links

Link	Information
www.illinoisenergy.org	DCEO Energy Programs: guidelines, RFPs, contacts, applications, and other resources
www.ActOnEnergy.net	Info on Ameren Illinois ActOnEnergy Business Programs
www.ComEd.com	Info on ComEd Smart Ideas Business Solutions Programs
www.ileeps.org	EEPS Information for DCEO, ComEd and Ameren EEPS programs
www.sedac.org	Smart Energy Design Assistance Center: Technical assistance for businesses and public sector providing energy information, news and trainings, energy service provider list
www.illinoisrecycles.com	DCEO Recycling Programs for local government, businesses and non-profits
www.illinoiscleanenergy.org	IL Clean Energy Community Foundation: grants for energy efficiency, renewable energy and natural areas for local government and non-profits